KCi
Kingfisher Company, inc.

MCR²
Multi-Communication Receiving and Reporting Console

FM APPROVED

Features:

- Backward compatible with existing King-Fisher Radio Transmitters:
    - STAR
    - KFAPT
    - KFRTI-8S
    - KF1S/KF3S
    - IRAC
- Connects to multiple workstations with MCR² Software
- Electrically isolated boards permitting hot swapping
- Unlimited account capacity
    Note: NFPA limits capacity to 500 accounts
- 12VDC battery backup.
- 19" Rack or desktop mounting.
- Boards accessible through front door on both 19" rack and desktop versions.

Description:

The Kingfisher MCR² Console is designed for receiving, monitoring, and reporting of events sent from King-Fisher transmitters.
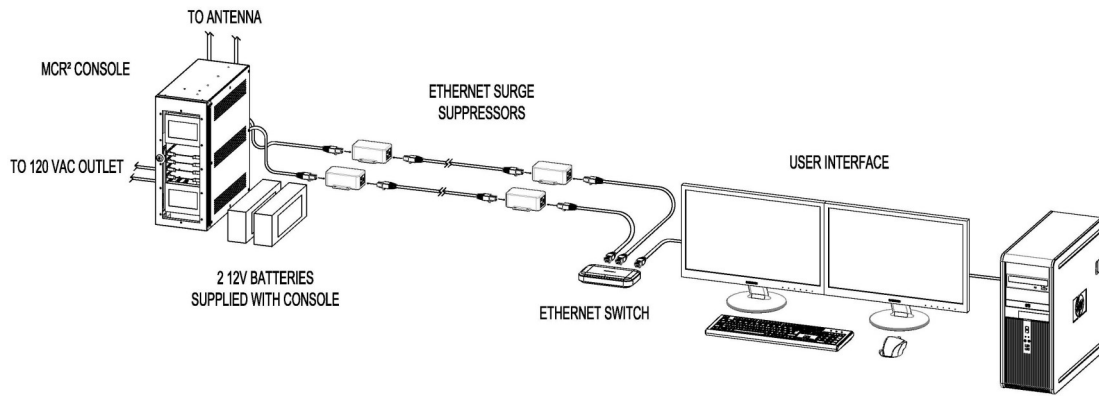
An integral receiver is provided for multipoint wireless communication at distances up to 25 miles. The 25 miles must be "line of sight" Distances greater than 25 miles or that are not "line of site" will be covered by Repeaters. Hard-wired signals can be interfaced to transmitters so many different types of events can be decoded and annunciated by the Receiver. Fire Alarm, Security, HVAC, Medical and any other type of event for a building system can be monitored, received and annunciated.

Annunciation occurs in several ways. Console comes equipped with LCD displays. Audible piezo is also integral to the unit. Additionally the annunciation occurs through a Graphical User Interface Software.
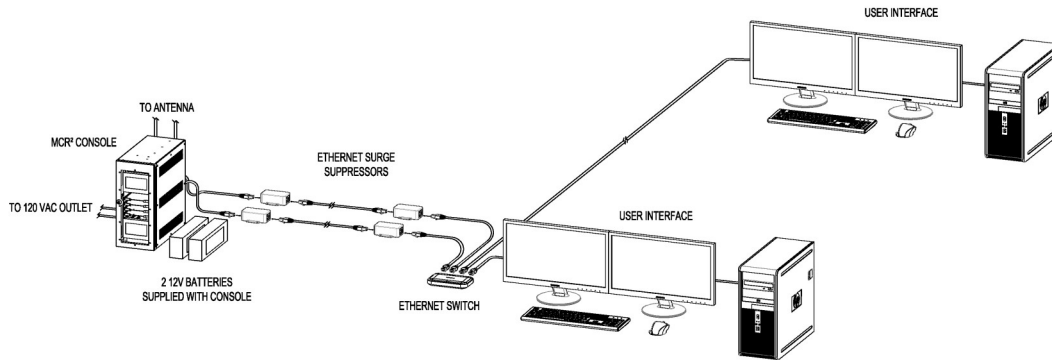
The Enterprise configuration of the MCR² Console provides a workstation server that can be networked with "client" workstations allowing multiple users to interface with one or more consoles.
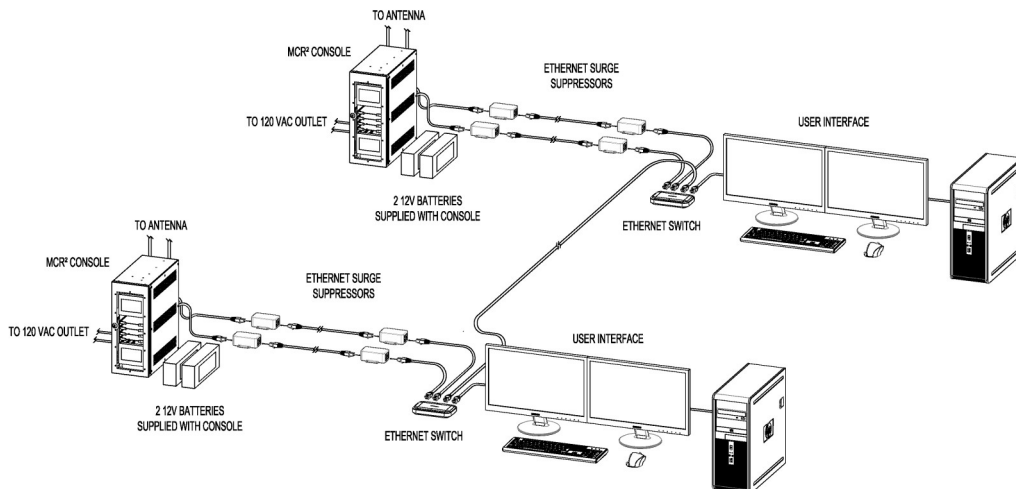
Options:

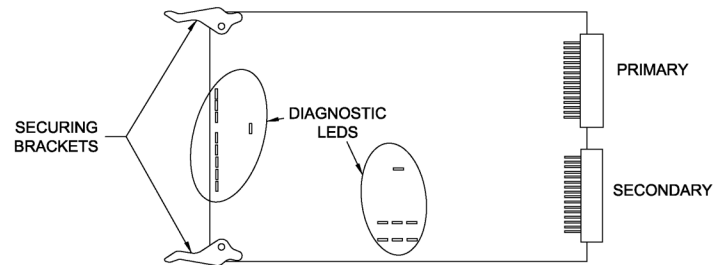## Standard Configuration

Enterprise Configuration (Single Console)

Enterprise Configuration (Multiple Consoles)
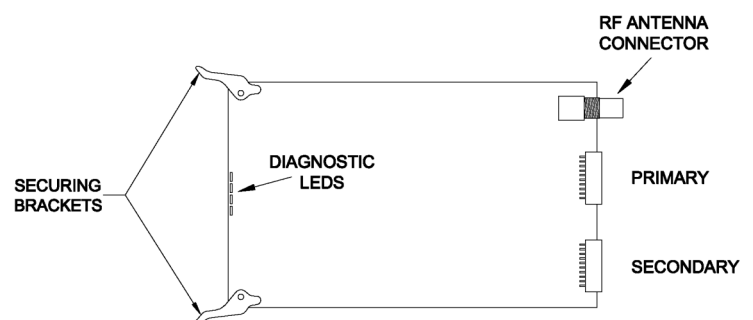
99440-DTS 1/25/2017

Controller Board:

- On board diagnostic LEDs

- Rack mount locking tabs for positive alignment and secure fit.

- Automatically configured for primary or secondary installation. No special tools or programming.

- Flash firmware upgradable

SECURING BRACKETS
DIAGNOSTIC LEDS
PRIMARY
SECONDARY

RF Tone Board:

- On board diagnostic LEDs

- Rack mount locking tabs for positive alignment and secure fit.

- Automatically configured for primary or secondary installation. No special tools or programming.

- Flash firmware upgradable

RF ANTENNA CONNECTOR
SECURING BRACKETS
DIAGNOSTIC LEDS
PRIMARY
SECONDARY

Kingfisher Company, inc. 81 Old Ferry Road - Lowell, MA 01854
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Console Specifications:

Signal Format:	Kingfisher format std. (FSK, FM, Other Tone, Two-way, Digital, Telegraphic, or Hardwire loop)
Signal Sites:	Up to 999,999 remote alarm codes (per receiver board) 9,999 Zones (per receiver board)
Error Checking:	All received signals are checked for proper format, signal site and match errors.
AC Line Voltage:	80~140 VAC
AC Frequency:	50~60 Hz
AC Current Draw:	1 Amp Max
Dimensions:	17.0" H x 14.5" D x 6.938" W
Temp Range	
Operating:	32° F to 120° F 0° C to 49° C
Storage:	-22° F to 176° F -30° C to 80° C
Enclosure Type:	NEMA 1

RF Board Specifications:

Frequency Range FCC:	72-76Mhz
Frequency Range NTIA:	138-174 MHz
Frequency Resolution:	1Hz
Frequency Stability:	±5 ppm
Modulation:	AM
Tone Frequency Range:	50Hz through 600Hz
Tone Frequency Range:	0.1Hz

ORDERING INFORMATION

KCi #	Model #	Description
99440	MCR²	MCR^2 Console includes 2 controller and 2 tone boards
99441	MCR^{2}WS	MCR^2 Workstation, includes PC, monitor, keyboard/mouse
99442	MCR^{2}CBX	MCR^2 Contractor Box, for housing antenna connections, batteries, and Ethernet Switch.
97440	MCR^{2}GUI	Graphical User Interface Software
97441	MCR^{2}SDS	Server Database Software, required for Enterprise Configuration Server PCs
97442	MCR²CDS	Client Database Software, required for Enterprise Configuration Client PCs
97444	MCR²ES	Ethernet Switch
69403	MCR²DA	LCD Display Assembly
66988	MCR²CB	Controller Board for MCR^2 Console
66986	MCR²TB	RF Tone Board for MCR^2 Console
66987	MCR²MB	Motherboard for MCR^2 Console
88440	MCR²SS	Ethernet Surge Suppressor
91440	MCR²RM4	19" Rack Mount Kit, for 4 post racks
91442	MCR²RM2	19" Rack Mount kit, for 2 post racks
NPN		Desktop Enclosure

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